LAND APPLICATION SITE

MICHAEL R DAVIS SITE

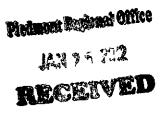
DWMRD 1-8

DINWIDDIE COUNTY

Predmant Regional Office

JAN 2 5 2012

RECEEPTED



PART D-VI BIOSOLIDS APPLICATION AGREEMENT	()
PART D-VI BIOSOLIDS APPLICATION AGREEMENT This biosolids application agreement is made on 4-13-10 be here as "landowner", and Recyc Systems, Inc., referred to here tandowner is the owner of agricultural land shown on the magnetic part of the second seco	etween Musel 1 - Warring referred to e as the "Permittee"
Landowner is the owner of agricultural land shown on the ma ("landowner's land") Permir with certain permit requirements following application of biosolids on la by (VPA) (VPDES) permit number which is held	ittee agrees to apply and landowner agrees to comply andowner's land in amounts and in a manner authorized
Landowner acknowledges that the appropriate application of biosic conditioning to the property and consents to the application of biosolic having been expressly advised that, in order to protect public health	olids will be beneficial in providing fertilizer and soil ds on his property. Moreover, landowner acknowledges
1 Public access to landowner's land upon which biosolids have following any application of biosolids and no biosolids amended soil s same period of time unless adequate provisions are made to prevent	shall be excavated or removed from the site during this
2 Food crops with harvested parts that touch the biosolids/soil in be harvested for 14 months after the application of biosolids. Food or shall not be harvested for 20 months after the application of biosolid time period of four (4) or more months prior to incorporation into the land surface for a time period of less than four (4) months prior to crops shall not be harvested for 30 days after the application of biosolids.	rops with harvested parts below the surface of the land is when the biosolids remain on the land surface for a e soil, or 38 months when the biosolids remain on the incorporation. Other food crops, feed crops and fiber
3 Following biosolids application to pasture or hayland sites, is chopped foliage for 30 days and lactating dairy animals should be similarly should be restricted from grazing for 30 days,	meat producing livestock should not be grazed or fed larly restricted for a minimum of 60 days. Other animals
Supplemental commercial fertilizer or manure applications shot that the total crop needs for nutrients are not exceeded as identified in accordance with §10 1-104 2 of the Code of Virginia to be of application of biosolids to a specific permitted site.	the nutrient management plan developed by a person
5 Tobacco, because it has been shown to accumulate cadmium years following the application of biosolids borne cadmium kilograms/hectare)	n, should not be grown on landowner's land for three equal to or exceeding 0.45 pounds/acre (0.5
6 Turf grown on land where biosolids are applied shall not be hat harvested turf is placed on either land with a high potential for pub permitting authority.	arvested for one year after application of biosolids when the slic exposure or a lawn, unless otherwise specified by the
The landowner agrees to allow county officials access to the necessary, to complete site inspections related to the scheduled biose	ne area of the property permitted for biosolids, whenever
Permittee agrees to notify landowner or landowner designee of specifically prior to any particular application to landowner's land. The written notice to the address specified below.	of the proposed schedule for biosolids application and is agreement may be terminated by either party upon
Landowner Signature M	lailing Address
mpell Dun	8184 BOZERd.
Pl	hone ForD VA 23850
Farm Operator Signature:	alling Address 8184 BozE Rd
Micheal R. Nains	FORD VA 23850
PI	hone 265 - 7347
Permittee M: Recyc Systems, Inc.	aling Address P O Box 562
	Remington Virginia 22734 (540) 547-3300

PART D-VI BIOSOLIDS APPLICATION AGREEMENT	ESTATE OF ANNIE BOXE
This biosolids application agreement is made on 3-16-12 referred to here as "landowner", and Recyc Systems, Inc.	between FRANCES B HAUSER, EVECUTE IX ferred to here as the "Permittee"
Landowner is the owner of agricultural land shown on the m	nap attached as Exhibit A and designated there as nittee agrees to apply and landowner agrees to comply
with certain permit requirements following application of biosolids on by (VPA) (VPDES) permit number which is hel	landowner's land in amounts and in a manner authorized
Landowner acknowledges that the appropriate application of bio conditioning to the property and consents to the application of bioso having been expressly advised that, in order to protect public health	solids will be beneficial in providing fertilizer and soil lids on his property. Moreover, landowner acknowledges
1 Public access to landowner's land upon which biosolids have following any application of biosolids and no biosolids amended soil same period of time unless adequate provisions are made to preven	shall be excavated or removed from the site during this
2 Food crops with harvested parts that touch the biosolids/solide harvested for 14 months after the application of biosolids. Food shall not be harvested for 20 months after the application of biosolime period of four (4) or more months prior to incorporation into the land surface for a time period of less than four (4) months prior to crops shall not be harvested for 30 days after the application of biological parts.	crops with harvested parts below the surface of the land lids when the biosolids remain on the land surface for a he soil, or 38 months when the biosolids remain on the o incorporation. Other food crops, feed crops and fiber
3 Following biosolids application to pasture or hayland sites chopped foliage for 30 days and lactating dairy animals should be sit should be restricted from grazing for 30 days,	, meat producing livestock should not be grazed or fed milarly restricted for a minimum of 60 days. Other animals
4 Supplemental commercial fertilizer or manure applications st that the total crop needs for nutrients are not exceeded as identified certified in accordance with §10 1-104 2 of the Code of Virginia to of application of biosolids to a specific permitted site,	in the nutrient management plan developed by a person
Tobacco, because it has been shown to accumulate cadmin years following the application of biosolids borne cadmini kilograms/hectare)	um, should not be grown on landowner's land for three m equal to or exceeding 0.45 pounds/acre (0.5
6 Turf grown on land where biosolids are applied shall not be harvested turf is placed on either land with a high potential for permitting authority	harvested for one year after application of biosolids when thoublic exposure or a lawn, unless otherwise specified by the
The landowner agrees to allow county officials access to necessary, to complete site inspections related to the scheduled bit	the area of the property permitted for biosolids, whenever osolids program
Permittee agrees to notify landowner or landowner designer specifically prior to any particular application to landowner's land written notice to the address specified below	This agreement may be terminated by either party upon
Endowner Signature Frances B Hauser Energy Energy	Mailing Address 104 Lewis Drive
Landowner Signature	Seaford, VA 23696
Frances B Hauser Landowner Print Name	Seatord, VH 23696
Landowner Print Name	Phone: 757 604 2853
	Mailing Address
Farm Operator Signature	
Farm Operator Print Name	Phone .
Permittee	Mailing Address
Recyc Systems, Inc	P O Box 562 Remington Virginia 22734
	(540) 547-3300

PART D-VI BIOSOLIDS APPLICATION AGREEMENT	
This biosolids application agreement is made of \$\frac{4-12-10}{2-10}\$ here as "landowner", and Recyc Systems, Inc., referred to	between Lunath. Bafeferred to here as the "Permittee"
Landowner is the owner of agricultural land shown on the	map attached as Exhibit A and designated there as implified agrees to apply and landowner agrees to comply in landowner's land in amounts and in a manner authorized
Landowner acknowledges that the appropriate application of b conditioning to the property and consents to the application of bios having been expressly advised that, in order to protect public health	losolids will be beneficial in providing fertilizer and soil solids on his property. Moreover, landowner acknowledges
 Public access to landowner's land upon which biosolids ha following any application of biosolids and no biosolids amended so same period of time unless adequate provisions are made to previous. 	oil shall be excavated or removed from the site during this
2 Food crops with harvested parts that touch the biosolids/so be harvested for 14 months after the application of biosolids. Foos shall not be harvested for 20 months after the application of biosolime period of four (4) or more months prior to incorporation into land surface for a time period of less than four (4) months prior crops shall not be harvested for 30 days after the application of biosolim surface.	d crops with harvested parts below the surface of the land lolids when the biosolids remain on the land surface for a the soil, or 38 months when the biosolids remain on the to incorporation. Other food crops, feed crops and fiber
3 Following biosolids application to pasture or hayland site chopped foliage for 30 days and factating dairy animals should be s should be restricted from grazing for 30 days,	es, meat producing livestock should not be grazed or fed similarly restricted for a minimum of 60 days. Other animals
4 Supplemental commercial fertilizer or manure applications at that the total crop needs for nutrients are not exceeded as identified certified in accordance with §10 1-104 2 of the Code of Virginia to of application of biosolids to a specific permitted site.	d in the nutrient management plan developed by a person
5 Tobacco, because-it has been shown to accumulate cadri years following the application of biosolids bome cadmit kilograms/hectare)	nium, should not be grown on landowner's land for three um equal to or exceeding 0.45 pounds/acre (0.5
6 Turf grown on land where biosolids are applied shall not be harvested turf is placed on either land with a high potential for permitting authority	e harvested for one year after application of biosolids when the public exposure or a lawn, unless otherwise specified by the
The landowner agrees to allow county officials access to necessary, to complete site inspections related to the scheduled by	o the area of the property permitted for biosolids, whenever prosolids program
Permittee agrees to notify landowner or landowner design specifically prior to any particular application to landowner's land written notice to the address specified below	ee of the proposed schedule for biosolids application and This agreement may be terminated by either party upon
Landowner Signature Anicia 6 100 25	Mailing Address 11921 HAWKINS Rd
	For D VA 23850 Phone 804 - 265 8171
Farm Operator Signature	Mailing Address
mucheal & Sour	8184 Bore Rd ForD VA
	Phone 265-7347 23850
Permittee Recyc Systems, Inc.	Mailing Address P O Box 562
	Remington Virginia 22734 (540) 547-3300

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 10-37-11 referred to here as "landowner", and Recyc Systems, Inc.	between ROBERT A. WILLIAMS, 32.
Landowner is the owner of agricultural land shown on the	e map attached as Exhibit A and designated there as Permittee agrees to apply and landowner agrees to comply
Landowner acknowledges that the appropriate application of conditioning to the property and consents to the application of bid having been expressly advised that, in order to protect public heal	biosolids will be beneficial in providing fertilizer and soil
1 Public access to landowner's land upon which biosolids it following any application of biosolids and no biosolids amended s same period of time unless adequate provisions are made to pre	nave been applied should be controlled for at least 30 days soil shall be excavated or removed from the site during this event public exposure to soil, dusts or aerosols.
2 Food crops with harvested parts that touch the biosolids/s be harvested for 14 months after the application of biosolids. For shall not be harvested for 20 months after the application of bio time period of four (4) or more months prior to incorporation integrated for a time period of less than four (4) months prior crops shall not be harvested for 30 days after the application of the state	soil mixture and are totally above the land surface shall not od crops with harvested parts below the surface of the land isolids when the biosolids remain on the land surface for a or the soil, or 38 months when the biosolids remain on the soil of the soil
	on most assistant to a large
Supplemental commercial fertilizer or manure applications that the total crop needs for nutnents are not exceeded as identified certified in accordance with §10 1-104 2 of the Code of Virginia to application of biosolids to a specific permitted site,	should be coordinated with the biosolids applications such a continuous to the nutrient management plan developed by a person to be supplied to the landowner by the permittee at the time
Tobacco, because it has been shown to accumulate cadrivers following the application of biosolids borne cadmikilograms/hectare)	mium, should not be grown on landowner's land for three sum equal to or exceeding 0.45 pounds/acre (0.5
6 Turf grown on land where biosolids are applied shall not be harvested turf is placed on either land with a high potential for permitting authority	e harvested for one year after application of biosolids when the public exposure or a lawn, unless otherwise specified by the
to the deficient	to the area of the property permitted for biosolids, whenever biosolids program
Permittee agrees to notify landowner or landowner designs specifically prior to any particular application to landowner's land written notice to the address specified below	ee of the proposed schedule for biosolids application and This agreement may be terminated by either party upon
Robert A Williams, p.	Mailing Address 10106 WHITE OAK RD.
Robert A W.//: Ams, J? Landowner Print Name	FORD, VA. 23850
	Phone 8C4-Z65-5129
Farm Operator Signature	Mailing Address 8184 BOZE Rd
Farm Operator Print Name	For D VA. 23850 (304) Phone 265-7347
Permittee Recyc Systems, Inc	Mailing Address
	P O Box 562 Remington Virginia 22734
	(540) 547-3300

FARM DATA SHEET

SITE NAME:	Michael RDBaiasSite	COUNTY	Dmwiddie
OWNER:	See Attached List	OPERATOR	Michaels RD Davisis
OWNER'S	See Attached List	OPERATOR'S	8184 Boze Rd
ADDRESS		ADDRESS:	Ford, VA 23850
OWNER'S TELEPHONE	:	OPERATOR'S TELEPHIONE	804-265-7347
GENERALFARWTYPEE:	Hay, Pastiure	CELLPHONE:	
# CATTLE	24	EMAIL:	
LAXEODON or SLURRY:	None	LATIMUDE) LONGMUDE 1-41	37 ⁶ 06′36 ⁴ 77 ⁸ 45′45 ⁴
TOPO QUAD:	Darrvills	5-8	37 ⁹ 06′©1″ 77 ⁹ 44′26″
COTAIM ENITS			
	41.1.1		*****

MICHAEL R DAVIS SITE

LANDOWNERS

MICHAEL R DAVIS

TM40, P5C,5D

8184 BOZE RD

FORD, VA 23850

804-265-7347

ANNIE L BOZE TM40,P16

11921 HAWKINS RD

FORD, VA 23850

804-265-8171

ROBERT A WILLIAMS, JR TM41,P22

10106 WHITE OAK RD

FORD, VA 23850

804-265-5129

Recyc Systems, Inc

Michael R. Davis Site

County	Owner	Operator	FSA Tract No.	Recyc	Acres	Date of Last
				Field No.		Application
Dinwiddie	Michael R Davis	Michael R	T6033	DWMRD 1	68	-
		Davis	Field 1			
			T6033	DWMRD 2	14 4	-
			Field 2			
	Annie L Boze		T2207	DWMRD 3	18	-
			Field 2			
			T2207	DWMRD 4	300	-
			Field 3			
	Robert A		T2231	DWMRD 5	29	_
	Williams, Jr		Field 1			
			T2231	DWMRD 6	5 4	_
			Field 4			
			T508	DWMRD 7	6 2	-
			Fields 2,5,6			
			T508	DWMRD 8	56	-
			Field 3			
. <u> </u>						

RECYC SYSTEMS, INC FIELD DATA SHEET

Field	Gross	Envire	onmentally Se		Tax	FSA		
Identification	Acres	Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood	Hydro Map	Map#	Tract#
DWMRD 1	68	-	-	•	-	CU20	TM40,P5C,5D	T6033
DWMRD 2	14 4	-	-	-	-	CU20	TM40,P5C,5D	T6033
DWMRD 3	18	<u>-</u>	-		_	CU20	TM40,P16	T2207
DWMRD 4	30 0		-	-	-	CU19,20	TM40,P16	T2207
DWMRD 5	29	<u>-</u>			•	CU19	TM41,P22	T2231
DWMRD 6	5 4	12B(Dec-Mar)	_	-	-	CU19	TM41,P22	T2231
DWMRD 7	62	12B(Dec-Mar)	-	L	<u>-</u>	CU19	TM41,P22	T508
DWMRD 8	56	<u>-</u>	-	-	<u>-</u>	CU19	TM41,P22	T508
					,, · · · · · · · · · · · · · · · · · ·			
	-							·
TOTAL ACRES IN SITE	73 1							

Page 1 of 4

Report Number 11-279-0503 **Account Number 70594**

Date Received 10/06/2011



Date Of Analysis 10/07/2011

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD **CULPEPER VA 22701**

Grower

Submitted By J B CRENSHAW Farm ID

DAVIS/DWMRD DINWIDDIE

Analytical Method(s)

SOIL ANALYSIS REPORT

Date Of Report 10/10/2011

Mehlich 3

	1		Org	anic N	latter			Phos	phorus	,	Pot	tassıu		_	esium	Ca	licium	S	odiun	n	þ	Н	1	Acidity	CEC
Sample ID Field ID	Lab Numbe		‰	Rate	ENR lbs//		Mehlic m Rat	h 3 Rate		eserve Rate	ppm	K R		ppm	lg Rate	ppm	Ca Rate	ppm	Na F	₹ate	Soil pH	Buffe Inde		H eq/100g	meq/100g
1	01077		27	М	97	14		L		·	61		L	145	Н	669	M				66	6 90		03	50
2	01078	1	3 1	М	105	7		VL			58		L	153	Н	687	M			į	65	6 89		0 4	5 2
3	01079		15	L	76	83		Н			17		VL	51	Н	321	M				5 5	6 86		0 7	28
4A	01080		15	L	75	39	l	M			44		L	81	Н	512	M				62	6 88		0 5	3 8
4B	01081		17	L	78	42	1	М			47		Ļ	86	Н	541	M				64	6 90		03	39
Sample ID		Pers	ænt Ba	se Sat	uaabon		Nitt	rate	Sı	ulfur	Zind	5	Man	ganese	lr	อก	Сорре	r	Bo	ron	Solubie	Salts	Ch	loride	Aluminum
Field ID	К %	Mg %	Ca %	. !	Na %	H %	NO ppm			S Rate	Zn ppm			Mn Rate	1	e Rate	Cu ppm R	tate p	e pm		SS ms/cm			CI Rate	Al ppm
1	3 1	24 2	2 66	9		59		•																	
2	29	24 5	66	1		75		· · · · · · · · · · · · · · · · · · ·						• •											***************************************
3	16	152	2 57	3		25 7					······································					• •									
4A	30	17 8	67	4		122																			
4B	31	18 4	69	4		89									1										

Values on this report represent the plant available nutrients in the soil Rating after each value VL (Very Low) L (Low) M (Medium) H (High), VH (Very High) ENR - Estimated Nitrogen Release CEC - Cation Exchange Capacity

Explanation of symbols % (percent) ppm (parts per million), tbs/A (pounds per acre) ms/cm (milli-mhos per centimeter) meg/100g (milli-equivalent per 100 grams) Conversions ppm x 2 = lbs/A Soluble Salts ms/cm x 640 = ppm

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing

Analysis prepared by A&L Eastern Laboratones Inc.

by Power Me George

Page 2 of 4

Report Number 11-279-0503 Account Number 70594



A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower

Submitted By J B CRENSHAW Farm ID

DAVIS/DWMRD DINWIDDIE

Date Received 10/06/2011

Date Of Report 10/10/2011

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	· Yıeld Goal	Lime Tons/A	Nitrogen N A	Phosphate P ₂ O ₅ Ib/A	. Potash K₂O / ≥ Ib/A ∵	Magnesium Mg Jb/A	Sulfur S Ib/A	Zinc - Zn lb/A	Manganese Mn lb/A	Iron Fe Ib/A	Copper Cu Ib/A	Boron B Ib/A
1	Adjust pH to 6 8	0	1 00				0						
2	Adjust pH to 6 8	0	100				0				-		
3	Adjust pH to 6 8	0	188				29						
4A	Adjust pH to 6 8	0	133				0						
4B	Adjust pH to 6 8	0	1 00			, ,	o						

Comments

Sample(s) 3

If dolomitic lime is not used, apply required magnesium with magnesium oxide Epsom Salts, K-Mag or Sul-PO-Mag

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric Mc George

Page 3 of 4

Report Number 11-279-0503 Account Number 70594



A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743 9401 Fax (804) 271-6446

Send To RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower

Submitted By J B CRENSHAW Farm ID

DAVIS/DWMRD DINWIDDIE

SOIL ANALYSIS REPORT

Analytical Method(s)

Mehlich 3

Date Received 10/06/2011

Date Of Analysis 10/07/2011

Date Of Report 10/10/2011

		Or	ganic M	atter	Pho	spho	sphorus		ssium	Mag	nesium	Cal	cium	So	drum	ķ	H	Acidity	CEC
Sample IDD Field IDD	IIID Number % Bata EN		ENR ibs/A	Mehlich 33 ppm Rat Rat		Reserve om Rate	K ppm Rate		1	Mg ppm Rate		Ca Rate		Na Rate	Soil pH	Buffer Index	H meq/100g	meq/100g	
5	61083	21	L	86	26	L		48	L	113	Н	547	M			6 2	6 88	0 5	43
6	01084	15	L	75	39 I	4		28	VL.	98	Н	488	M			64	6 90	03	37
7	01085	15	Ł	75	27	L		25	VL	87	Н	447	М			62	6 89	04	34
8	01086	166	L	77	21	L		36	VL	80	Н	447	М			62	6 89	0 4	3 4

		Perce	nt Base	Saturatı	on .	Nıtrate		Sulfur		Zinc		Manganese		Ire	on	Cop	рег	Boron		Soluble Salts		Chloride		Aluminum
Sample ID Field ID	₭ %	Mg %	6a %	Na %	H %	N6 ppm		ppm	S Rate	Zı ppm		M ppm		ppm	e Rate	C ppm	-	ppm	B Rate	SS ms/cm			Rate	Al ppm
5	2.9	21.9	63 6	70	122					···				``		••								
6	19	22 1	65.9		88																			
7	19	213	65 7		123																			
8	27	19.6	65 7 ₇		122									•					•					

Values on this report represent the plant available nutrients in the soil Rating after each value VL (Very Low) L (Low), M (Medium) H (High), VH (Very High) ENR - Estimated Nitrogen Release $C \to C$ - Cation Exchange Capacity

Explanation of symbols % (percent) ppm (parts per million) lbs/A (pounds per acre) ms/cm (milli-mhos per centimeter) meq/100g (milli-equivalent per 100 grams) Conversions ppm x 2 = lbs/A Soluble Salts ms/cm x 640 = ppm

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by A&L Eastern Laboratories Inc.

by Paurce Mc George

Page 4 of 4

Report Number 11-279-0503 Account Number 70594



A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower

Submitted By J B CRENSHAW Farm ID

DAVIS/DWMRD DINWIDDIE

Date Received 10/06/2011

Date Of Report 10/10/2011

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ Ib/A	Potash K₂O Ib/A	Magnesium Mg lb/A	Sulfur S Ib/A	Zinc Zn Ib/A	Manganese Mn 1b/A	Iron Fe Ib/A	Copper Cu lb/A	Boron B Ib/A
5	Adjust pH to 6 8	0	13				0						
6	Adjust pH to 6 8	0	10				0		" -				
7	Adjust pH to 6 8	0	13				0						
8	Adjust pH to 6 8	0	13				0						

Comments

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paurice Mc George

NUTRIENT MANAGEMENT PLAN IDENTIFICATION

Operator

Michael Davis 8184 Boze Road Ford, VA 23850 804-265-7347

Integrator.None

Farm Coordinates

Easting 0, Northing 0, zone 17

Watershed Summary

watershed CU19 county Dinwiddie

Nutrient Management Planner

Recyc Systems Inc Recyc Systems, Inc P O Box 562 Remington, Virginia 22734 540 547 3300

Certification Code None

Acreage Use Summary

Total Acreage in this plan 73 1

Cropland 0 0
Hayland 5 51 9
Pasture 2 21 2
Specialty 0 0

Livestock Summary

 Beef Cattle 0
 0

 Dairy Cattle 0
 0

 Poultry 0
 0

 Swine 0
 0

 Other 0
 0

Manure Production Balance

	Imported	Produced	Exported	Used	Net
kgals	0	0	0	0	0
tons	0	0	0	Ô	0

Plan written 1/2/2012 Valid until 1/2/2012

Signature			100
_	Planner	date	

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet (Spring, 2012-Summer, 2013) Michael R. Davis Planner: Recyc Systems Inc.

Tract 2207 Location Dinwiddle (N = N based, 1P = P based, 1 5P = P based at 1 5 removal, 0P = No P allowed) Crop Man/Bios Net = Needs -Sum Commercial Notes Field Yr Needs Manure/Biosid IT Size Leg N-P-K N-P-K Rate & Type (d) N-P-K appld N-P-K Р /Man CFSA No (ac) (lbs/ac) (lbs/ac) (lbs/ac) rem Total/ (lbs/ac) Resid (season) /Name cred Used 70-40-130 N/A 2/DWMRD 3(N) 2/2 2012 Fescue grass hay 70-40-130 0/0 90-80-200 N/A 3/DWMRD 4(N) 30/30 90-80-200 0/0 2012 Fescue grass hay

Commercial Application Methods

br - Broadcast ba - Banded sd - Sidedress

Notes

Tract 2231 Location Dinwiddie (N = N based, 1P = P based, 1 5P = P based at 1 5 removal, 0P = No P allowed) Field Manure/Biosld Man/Bios Net = Needs -Commercial Notes Size Yr Crop Needs Leg IT Sum CFSA No N-P-K (d) N-P-K appld N-P-K N-P-K (ac) /Man Rate & Type /Name Total/ (lbs/ac) (lbs/ac) Resid (season) (lbs/ac) (lbs/ac) rem Used cred 1/DWMRD 5(N) 3/3 2012 Fescue grass hay 70-60-120 0/0 70-60-120 N/A 2012 4/DWMRD 6(N) 5/5 Fescue grass hay 90-80-220 0/0 90-80-220 N/A mt 2,5,6/DWMRD 7(N) 6/6 2012 Fescue grass hay 90-90-220 90-90-220 N/A 0/0 3/DWMRD 8(N) Fescue grass hay 6/6 2012 70-60-130 0/0 70-60-130 N/A mt

Commercial Application Methods br - Broadcast ba - Banded sd - Sidedress Notes Tract 6033 Location Dinwiddie

(N = N based, 1P = P based, 1 5P = P based at 1 5 removal, 0P = No P allowed)

Field CFSANto /Name	Size (ac) Total/ Used	Yr	Сгор	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	 Net = Needs - appld N-P-K (lbs/ac)		Commercial N-P-K (lbs/ac)	Notes	
1//DWW/M/RD 1((NJ)	7/7	2012	Grass Pasture	50-50-50	0/0			50-50-50	N/A			
2/DWMRD 2((N))	14/14	2012	Grass Pasture	50-60-50	0/0			50-60-50	N/A			

Commercial Application Methods br - Broadcast ba - Banded sd - Sidedress

Notes

THE PLANNER IS NOT STATE CERTIFIED

Michael R. Davis Narrative

This is Michael Davis farm located in Dinwiddle County. The farm consists of hay and pasture fields.

This is a partial plan written for the purpose of obtaining a biosolids permit Biosolids application has not been shown since it is uncertain when a biosolids application will be obtained. The partial plan will be revised prior to biosolids application to obtain a target biosolids application rate.

Soil Test Summary

Tract	Field	Acre	Date	P205	K20	Lab	Soil PH	Lime Date	rec. lime tons/Ac
2207	DWMRD 3	2	2011-Fa	H (83 P pppm)	L (17 Kpppm)	A&L Mill	55		
2207	DWMRD 4	30	2011-Fa	M (39 P pppm)	L+ (44 K ppm)	A&L MIII	62		
2231	DWMRD 5	3	2011-Fa	M- (26 P ppm)	L+ (48 K ppm)	A&L MIII	62		
2231	DWMRD 6	5	2011-Fa	M (39 P pppm)	L (28 K poprm)	A&L MIII	64		
2231	DWMRD 7	6	2011-Fa	M- (27 P ppm)	L (25 K pppm)	A&L MIII	62		
2231	DWMRD 8	6	2011-Fa	M- (21 P ppm)	L (36 K poprm)	A&L Mill	62		
6033	DWMRD 1	7	2011-Fa	L (14 P pppmn)	M- (61 K ppm)	A&L MIII	66		
6033	DWMRD 2	14	2011-Fa	L- (7 P ppm)	M- (58 K ppm)	A&L MIII	65		

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Gram	Alfalifa	Grass Hay	Environmental Warmings
2207 2207/	2207/2 DW	NDRVMRD 3	2 Applin	Appling IV	IVa I		III	III	
	2207/3 DW	NDRVMRD 43	30 Ceci	Cecil IV	IVa I	HII	Ш	łI .	
2231 2231/	2231/1 DW	NDRVMRD 5	3 Hernd	oHerndon IV	IVa I		Ш	III	
	2231/4 DW	NDR/VMRD 6	5 Matta	o Mattaponi Ili	Illa I	H II	Ш	II	
	2231/2,5 , D	VONWINIRD 7	6 Matta	o Mattaponi Ili	Illa I	JJ 11	Ш	ll .	
	6								
	2231/3 DW	NDRWMRD8	6 Hernd	oHerndon IV	IVa I	II I	M	III	
6033 6033/	6033/1 DW	NDRVMRD11	7 Applin	Applingg IV	Vaa		THE STATE OF THE S	III	
	6033/2 DW	NDRWMRD 2 1	14 Appli	nAppling IV	IVa l	 	Ш	HI	

Yield Range

Field Productwiity Group	Corn Gram Bu/Acre	Barley/lintensive Wheat Bu//Acre	Std. Wilheat Bu/Acre	Alfalfa Tons//Acre	Grass/Hay Toms/Acre
I	>170	>80	>64	<u></u> >6	≽4 0
11	150-170	70-80	56-64	4-6	3 5-4 0
111	130 -150	60-70	48-56	≪ 4	3 0-3 5
IV	100-13 0	50-60	40-48	NA	< 3 0
V	≼100	< 50	< 40	NA	NA

Farm Summary Report

Plan New Plan Spring, 2012 - Summer, 2013

Farm Name: Michael R. Davis

Location Dinwiddie

Specialist Recyc Systems Inc

N-based Acres 73 1 P-based Acres 0 0

Tract Name: 508 FSA Number 508

Location Dinwiddie

Tract Name: 2207 FSA Number 2207

Location Dinwiddie

Field Name: DWMRD 3

Total Acres 1 80 Usable Acres 1 80

FSA Number 2

Tract 2207

Location Dinwiddie

Slope Class B Hydrologic Group B

Riparian buffer width 0 ft Distance to stream 0 ft

Conservation Practices.

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Fa-2011 5 5 H(83 P ppm) L(17 K ppm) A&L MIII

Soils

PERCENT SYMBOL SOIL SERIES

100 2B Appling

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2012-Sp 2 5 tons Fescue grass (hay), maint - No Till

Field Name: DWMRD 4

Total Acres 30 00 Usable Acres 30 00

FSA Number 3 Tract 2207

Location Dinwiddie

Slope Class B Hydrologic Group B

Riparian buffer width 0 ft Distance to stream 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Fa-2011 6 2 M(39 P ppm) L+(44 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

40 2B Appling 60 4B Cecil

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2012-Sp 3 1 * tons Fescue grass (hay), maint - No Till

Tract Name: 2231 FSA Number 2231

Location Dinwiddle

Field Name: DWMRD 5

Total Acres 2 90 Usable Acres 2 90

FSA Number 1

Tract 2231

Location Dinwiddie

Slope Class B Hydrologic Group B

Riparian buffer width 0 ft Distance to stream 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Fa-2011 6 2 M-(26 P ppm) L+(48 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

100 10B Herndon

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2012-Sp 2 5 tons Fescue grass (hay), maint - No Till

Field Name. DWMRD 6

Total Acres 5 40 Usable Acres 5 40

FSA Number 4

Tract 2231

Location Dinwiddie

Slope Class B Hydrologic Group C

Riparian buffer width 0 ft Distance to stream 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

Soil Test Results.

DATE PH P K Lab

Fa-2011 6 4 M(39 P ppm) L(28 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

7 10B Herndon 93 12B Mattaponi

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2012-Sp 3 4 * tons Fescue grass (hay), maint - No Till

Field Name: DWMRD 7

Total Acres 6 20 Usable Acres 6 20

FSA Number 2,5,6

Tract 2231

Location Dinwiddle

Slope Class B Hydrologic Group C

Riparian buffer width 0 ft Distance to stream 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Fa-2011 6 2 M-(27 P ppm) L(25 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

100 12B Mattaponi

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2012-Sp 3 5 tons Fescue grass (hay), maint - No Till

Field Name: DWMRD 8

Total Acres 5 60 Usable Acres 5 60

FSA Number 3 Tract 2231

Location Dinwiddle

Slope Class B Hydrologic Group B

Riparian buffer width 0 ft Distance to stream 0 ft

Conservation Practices

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Fa-2011 6 2 M-(21 P ppm) L(36 K ppm) A&L MIII

Soils.

PERCENT SYMBOL SOIL SERIES

3 2C Appling 39 8B Georgeville 58 10B Herndon

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2012-Sp 2 9 * tons Fescue grass (hay), maint - No Till

Tract Name: 6033 FSA Number 6033

Location Dinwiddle

Field Name: DWMRD 1

Total Acres 6 80 Usable Acres 6 80

FSA Number 1 Tract 6033

Location Dinwiddie

Slope Class C Hydrologic Group B

Riparian buffer width 0 ft Distance to stream 0 ft

Conservation Practices.

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

Soil Test Results.

DATE PH P K Lab

Fa-2011 6 6 L(14 P ppm) M-(61 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

5 2B Appling 95 2C Appling

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2012-Sp 2 3 * acres/AU Orchard grass/fescue pastures <= 25% legume, maint - No Till

Field Name: DWMRD 2

Total Acres 14 40 Usable Acres 14 40

FSA Number 2 Tract 6033

Location Dinwiddie

Slope Class B Hydrologic Group B

Riparian buffer width 0 ft Distance to stream 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH Κ Lab

Fa-2011 65 L-(7 P ppm) M-(58 K ppm) A&L MIII

Soils.

PERCENT SYMBOL SOIL SERIES

58 42 2B Appling 2C Appling

Field Warnings.

Crop Rotation.
PLANTED YIELD **CROP NAME**

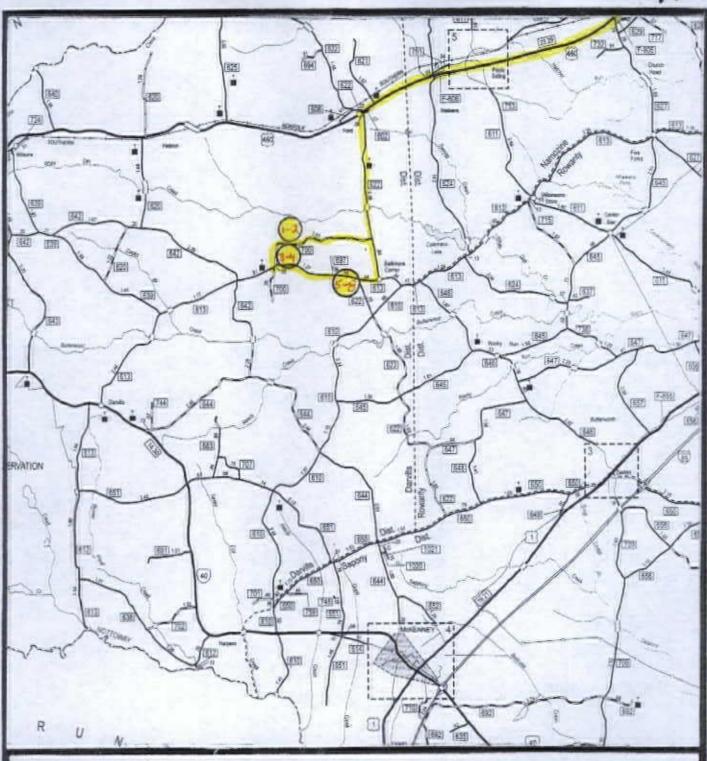
23 acres/AU Orchard grass/fescue pastures<=25% legume, maint - No Till 2012-Sp

MAPS

Recyc Systems

0

(Biosolids Land Application)

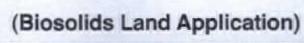


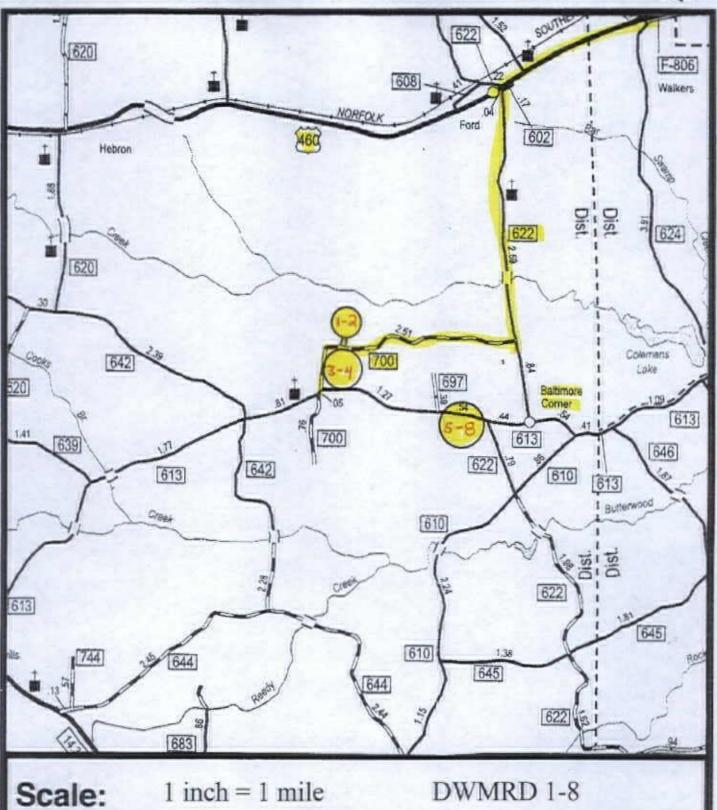
Scale:

1 inch = 2 miles

DWMRD 1-8

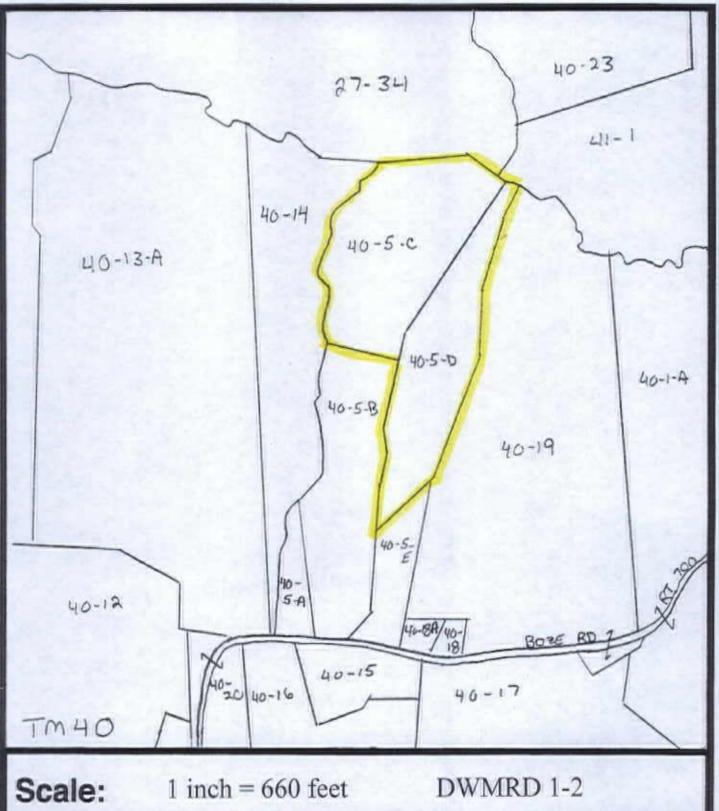
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(Biosolids Land Application)





TAX MAP

NA

(Biosolids Land Application)





Scale:

1 inch = 660 feet

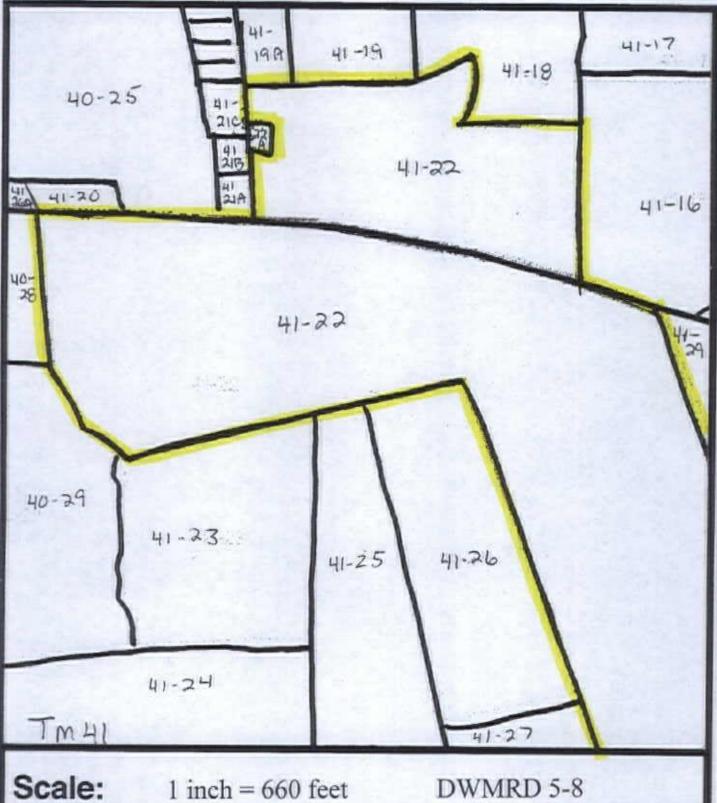
DWMRD 3-4

TAX MAP

NA

(Biosolids Land Application)



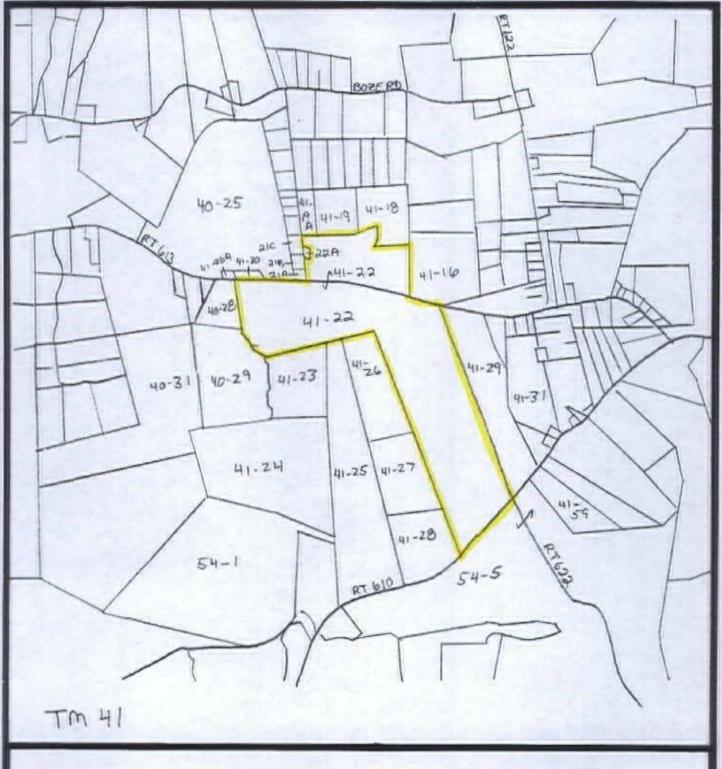


TAX MAP

NA

(Biosolids Land Application)





Scale:

1 inch = 2,000 feet

DWMRD 5-8

TAX MAP

N

ADJOINING LANDOWNERS

Michael R. Davis Site

DINWIDDIE COUNTY

TIAA Timberlands I LLC Lewis S., Jr. & Sharon R. Wood 4-2 George Andrew Palmer 5-A John H. & Susan A. Bence 5-B Charles D. or Teresa J. Stump 5-E M.R. Davis, Linda D. Stinson, Brenda D. Jer Russell O. & Marry C. Gammon 10-E Joseph C., Jr. & Robin G. Adcock 10-G Russell O. & Marry C. Gammon 10-H1 John H., III & Kathleen Y. Garrett Hawkins Memorial Church 12-B Russell O. & Marry C. Gammon 12-C David B. Gammon 13-A Ester J. Oh Edward C. Boze William O. & Grace C. Harrison White Oak Butterwood, LLC W.C., Jr. & Catherine B. Boze Alvin L. Davis 26-A Dinwiddie County School Board	
4-2 5-A 5-B Charles D. or Teresa J. Stump 5-E M.R. Davis, Linda D. Stinson, Brenda D. Jer 10-D Russell O. & Marry C. Gammon 10-E 10-G Russell O. & Marry C. Gammon 10-H1 John H., III & Kathleen Y. Garrett Hawkins Memorial Church 12-B Russell O. & Marry C. Gammon 12-C David B. Gammon 13-A Ester J. Oh Ester J. Oh Edward C. Boze William O. & Grace C. Harrison White Oak Butterwood, LLC W.C., Jr. & Catherine B. Boze Alvin L. Davis Dinwiddie County School Board	
5-A John H. & Susan A. Bence 5-B Charles D. or Teresa J. Stump 5-E M.R. Davis, Linda D. Stinson, Brenda D. Jen 10-D Russell O. & Marry C. Gammon 10-E Joseph C., Jr. & Robin G. Adcock 10-G Russell O. & Marry C. Gammon 10-H1 John H., III & Kathleen Y. Garrett 11 Hawkins Memorial Church 12-B Russell O. & Marry C. Gammon 12-C David B. Gammon 13-A Ester J. Oh 14 Ester J. Oh 15 Edward C. Boze 17 William O. & Grace C. Harrison 19 White Oak Butterwood, LLC 20 W.C., Jr. & Catherine B. Boze 25 Alvin L. Davis 26-A Dinwiddie County School Board	
5-B 5-E M.R. Davis, Linda D. Stinson, Brenda D. Jer 10-D Russell O. & Marry C. Gammon 10-E 10-G Russell O. & Marry C. Gammon 10-H1 John H., III & Kathleen Y. Garrett Hawkins Memorial Church Russell O. & Marry C. Gammon 12-B Russell O. & Marry C. Gammon 12-C David B. Gammon 13-A Ester J. Oh Ester J. Oh Ester J. Oh William O. & Grace C. Harrison White Oak Butterwood, LLC W.C., Jr. & Catherine B. Boze Alvin L. Davis Dinwiddie County School Board	
5-E 10-D 10-E 10-E 10-G 10-H1 11 11 12-B 12-C 13-A 14 15 15 15 16 17 18 18 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	
10-D 10-E 10-G 10-H 10-H 11 11 12-B 12-C 13-A 14 15 15 16 17 18 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	
10-E 10-G 10-H1 10-H1 10-H1 11 11 11 12-B 12-C 13-A 14 15 15 16 17 18 18 19 19 19 19 10-H1 19 10-H1 19 10-H1	kins
10-G 10-H1 10-H1 John H., III & Kathleen Y. Garrett Hawkins Memorial Church Hawkins Memorial Church Russell O. & Marry C. Gammon David B. Gammon Bester J. Oh Ester J. Oh Ester J. Oh Edward C. Boze William O. & Grace C. Harrison White Oak Butterwood, LLC W.C., Jr. & Catherine B. Boze Alvin L. Davis Dinwiddie County School Board	
10-H1 John H., III & Kathleen Y. Garrett Hawkins Memorial Church Russell O. & Marry C. Gammon David B. Gammon David B. Gammon Ester J. Oh Ester J. Oh Ester J. Oh Selward C. Boze William O. & Grace C. Harrison White Oak Butterwood, LLC W.C., Jr. & Catherine B. Boze Alvin L. Davis Dinwiddie County School Board	
11 Hawkins Memorial Church 12-B Russell O. & Marry C. Gammon 12-C David B. Gammon 13-A Ester J. Oh 14 Ester J. Oh 15 Edward C. Boze 17 William O. & Grace C. Harrison 19 White Oak Butterwood, LLC 20 W.C., Jr. & Catherine B. Boze 25 Alvin L. Davis 26-A Dinwiddie County School Board	
Hawkins Memorial Church 12-B Russell O. & Marry C. Gammon 12-C David B. Gammon Ester J. Oh Ester J. Oh Edward C. Boze William O. & Grace C. Harrison White Oak Butterwood, LLC W.C., Jr. & Catherine B. Boze Alvin L. Davis Dinwiddie County School Board	
12-C David B. Gammon 13-A Ester J. Oh 14 Ester J. Oh 15 Edward C. Boze 17 William O. & Grace C. Harrison 19 White Oak Butterwood, LLC 20 W.C., Jr. & Catherine B. Boze 25 Alvin L. Davis 26-A Dinwiddie County School Board	
12-C David B. Gammon 13-A Ester J. Oh 14 Ester J. Oh 15 Edward C. Boze 17 William O. & Grace C. Harrison 19 White Oak Butterwood, LLC 20 W.C., Jr. & Catherine B. Boze 25 Alvin L. Davis 26-A Dinwiddie County School Board	
14 Ester J. Oh 15 Edward C. Boze 17 William O. & Grace C. Harrison 19 White Oak Butterwood, LLC 20 W.C., Jr. & Catherine B. Boze 25 Alvin L. Davis 26-A Dinwiddie County School Board	
15 Edward C. Boze 17 William O. & Grace C. Harrison 19 White Oak Butterwood, LLC 20 W.C., Jr. &Catherine B. Boze 25 Alvin L. Davis 26-A Dinwiddie County School Board	
17 William O. & Grace C. Harrison 19 White Oak Butterwood, LLC 20 W.C., Jr. &Catherine B. Boze 25 Alvin L. Davis 26-A Dinwiddie County School Board	
19 White Oak Butterwood, LLC 20 W.C., Jr. &Catherine B. Boze 25 Alvin L. Davis 26-A Dinwiddie County School Board	
20 W.C., Jr. &Catherine B. Boze 25 Alvin L. Davis 26-A Dinwiddie County School Board	
25 Alvin L. Davis 26-A Dinwiddie County School Board	
26-A Dinwiddie County School Board	
D D D D C	
D. Bryant or Danna B. Gammon	
29 Midatlantic IRA, LLC	
33 Stephen D. & Lillian H. Davis	
33-B Donald T. & Donna F. Moring	
35 Thomas R. & Judy L. Davis	

ADJOINING LANDOWNERS

Michael R. Davis Site

DINWIDDIE COUNTY

Tax Map	Parcel #	Owner Name(s)
41	1	TIAA Timberlands 1, LLC
	16	Sandra K. Evans
	18	Sherry L. Braightwaight or Paul W. Voight, Jr
	19	Larry A. Frashure
	19-A	Dorothy R. Stith
	20	Stephanie L. Harris
	21-A	Bettie Fulgham
	21-B	Robert E. Dean
	21-C	Clifford Irvin
	22-A	Harvey Morgan
	23	Robert A. Williams, Jr.
Dec IV.	25	George T., III & Pattie L. Elder
	26	John H. Bentley
	27	TIAA Timberlands 1, LLC
	28	TIAA Timberlands 1, LLC
54	5	John R. Ragsdale, III

(Biosolids Land Application)





Scale:

1 inch = 660 feet

DWMRD 1-2

SOIL MAP



(Biosolids Land Application)





Scale:

1 inch = 660 feet

DWMRD 3-4

SOIL MAP

NA

(Biosolids Land Application)





Scale:

1 inch = 660 feet

DWMRD 5-8

SOIL MAP



Recyc Systems

(Biosolids Land Application)





T6033

Scale:

1 inch = 660 feet

DWMRD 1-2

AERIAL MAP

A

(Biosolids Land Application)





T2207

Scale:

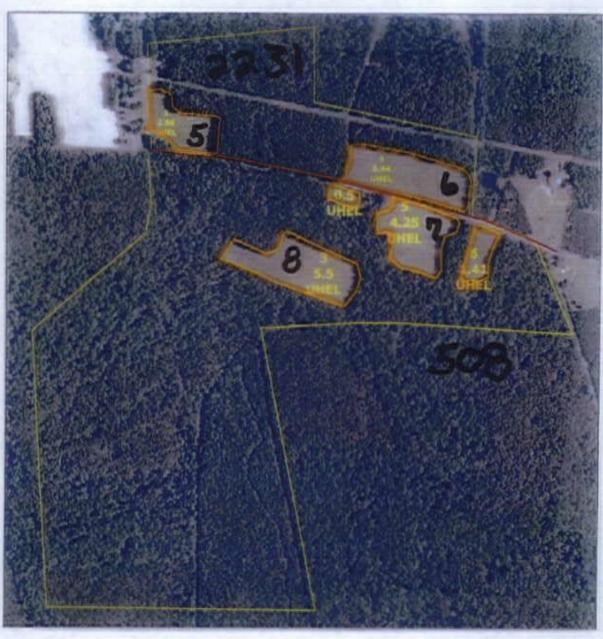
1 inch = 660 feet DWMRD 3-4

AERIAL MAP

Recyc Systems Inc.

(Biosolids Land Application)





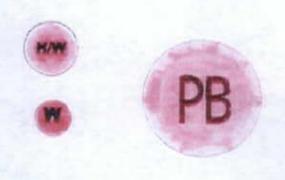
T2231 + 508

Scale: 1 inch = 660 feet

DWMRD 5-8

AERIAL MAP

Legend for Site Plan



House and Well

Well / Spring

Perennial Streams & Surface

Wet Spot

Intermittent Stream / Drainage

Trees and Woods

Private Drive

Rock / Rocky Area

Sinkhole

Severely Eroded Spot

State Road

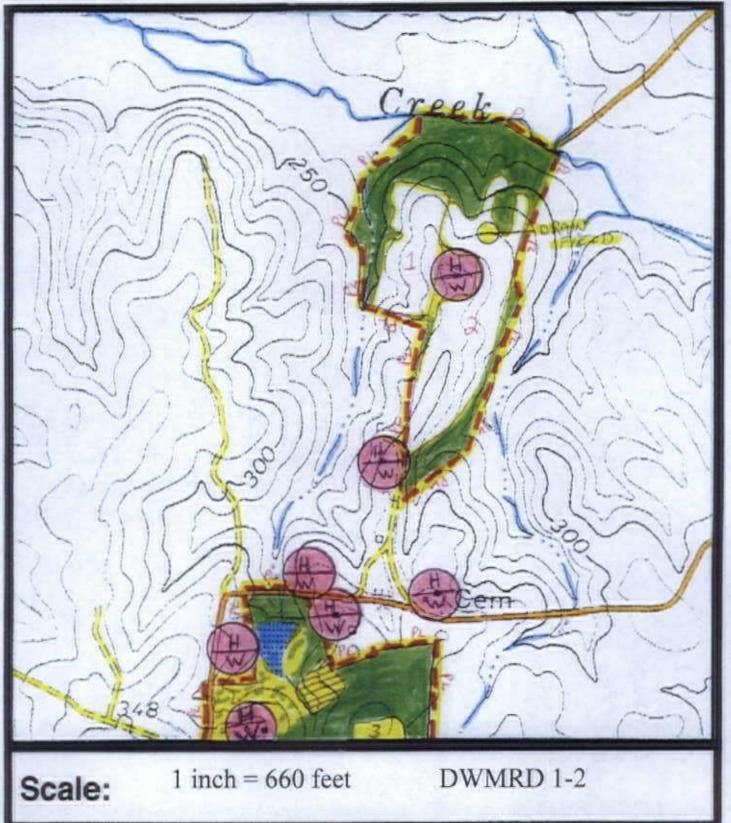
Field Boundary / Fence

Property Line

Slope

(Biosolids Land Application)





SITE PLAN

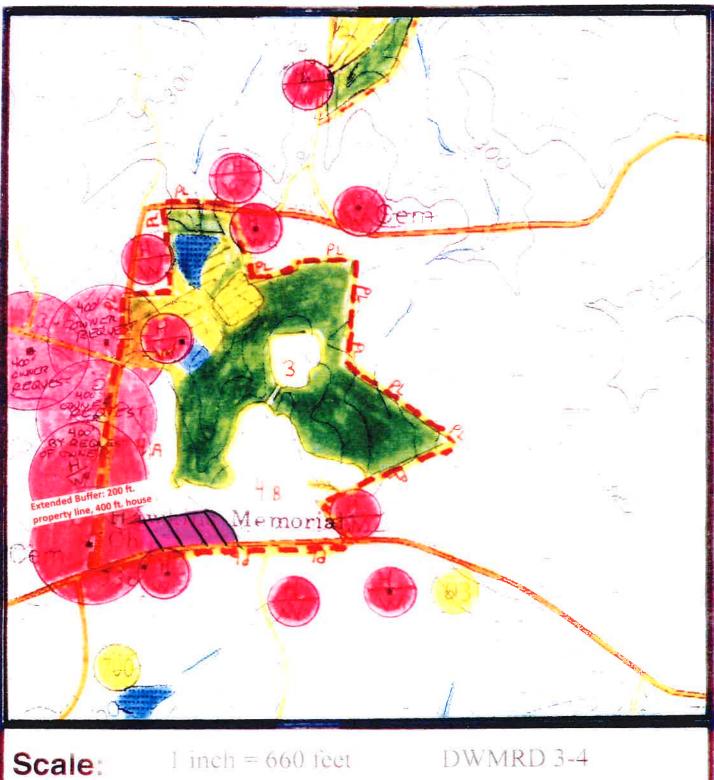
N

Recyc Systems

*updated 3-3-21 *



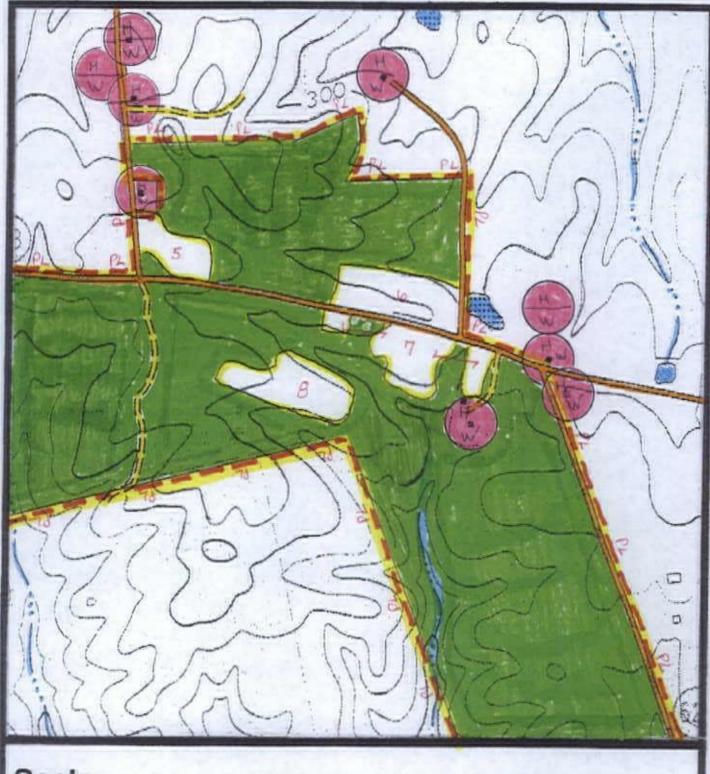
Biosolids Land Application)



SITE PLAN

(Biosolids Land Application)





Scale:

1 inch = 660 feet

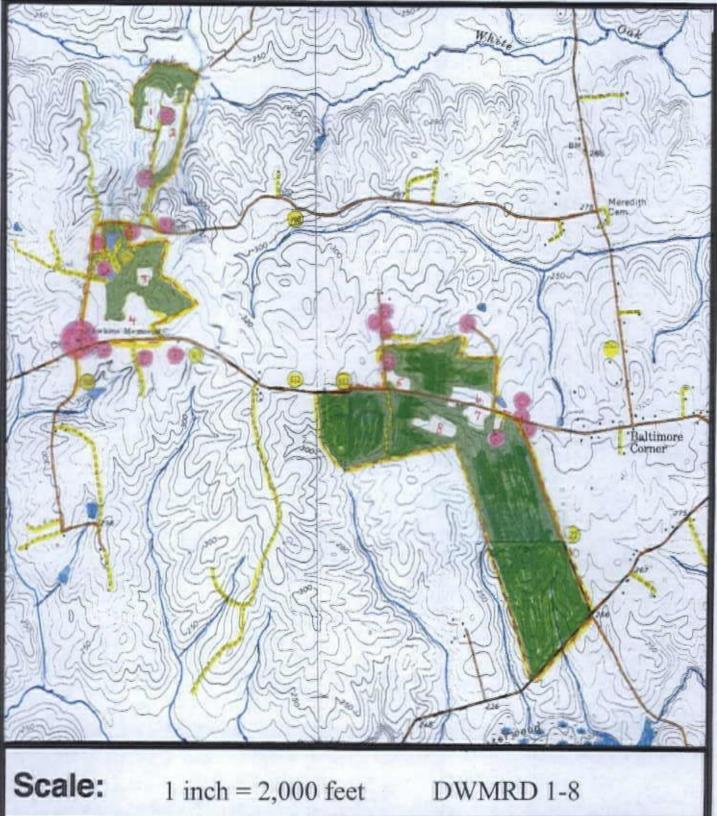
DWMRD 5-8

SITE PLAN

NA

(Biosolids Land Application)





TOPOGRAPHIC MAP

NA